Author Index

de Abajo, J. 1955–1959
Abdel-Razik, E. A. 1739–1744
Abraham, R. J. 126–129, 728–735
Acevedo, M. 1955–1959
Adams, W. W. 15–19, 1623–1631, 1637–1648
Aerdts, A. 1419–1424
Ahmed, F. R. 602–608
Aithal, U. S. 1757–1762
Akaike, T. 344–347
Akbulut, U. 1343–1346
Akin, H. 270–275
Aksoy, S. 1142–1148
Al-Hillo, M. R. Y. 949–953
Al-Saigh, Z. Y. 1170–1176
Aldissi, M. 569–574
Alig, I. 877–881
Allen, S. R. 1467–1472
Altinok, H. 1142–1148
Altomare, A. 212–219, 1415–1418
Alyuruk K. 1142–1148
Amato, C. 547–555
Amdouni, N. 1245–1253
Amelino, L. 1051–1057
Aminabhavi, T. M. 1757–1762, 2346–2352
Anbergen, U. 1854–1862
Angiolini, L. 212–219, 353–357
Antolin, K. 967–970
Antonietti, M. 781–792
Aras, L. 1328–1332
Arjavalingam, G. 840–844
Armes, S. P. 569–574
Arnold, F. E. 2411–2419
Arshady, R. 1164–1169
Asakura, H. 2053–2056
Asano, M. 371–378, 2006–2014
Asbach, G. I. 1859–1865
Asua, J. M. 1347–1351, 1352–1360
Attard, G. S. 928–934
Aven, M. R. 778–780
Avramova, N. 1025–1027

Baker, K. N. 1623–1631
Bakhramov, A. D. 877–881
Bamford, C. H. 1720–1725
Ban, H. 564–568
Bansil, R. 1038–1044, 2333–2337
Barandiaran, M. J. 1347–1351, 1352–1360
Barham, P. J. 36–42, 43–45, 46–50
Barley, J. S. 845–849
Barlow, J. W. 2311–2319
Barson, C. A. 145–149
Bartczak, Z. 2027–2038
Bartos, J. 1678–1684
Bassett, D. C. 1971–1977
Bastiaansen, C. W. M. 1435–1440
Batchelder, D. N. 1116–1121
Bauwens, J-C. 248–252, 646–650
Bauwens-Crowet, C. 248–252, 646–650
Bedford, S. E. 616–620
Bellenger, V. 1787–1792
Bendler, J. T. 1663–1668
Berry, G. C. 793–804
Bevington, J. C. 145–149
Bhagwagar, D. E. 1187–1203
Bianchi, E. 362–365
Billingham, N. C. 258–264
Birshtein, T. M. 1312–1320, 2185–2196, 2197–2200
Bjork, F. 1649–1657
Blackman, J. A. 621–622
Blackwell, J. 1003–1008
Bleha, T. 1321–1327
Block, S. 2227–2237
Blume, A. 1838–1853
Blundell, D. J. 1603–1610
Boehm, R. F. 935–938
Boese, D. 1831–1837
Boileau, S. 1154–1158
Bokobza, L. 110–114, 1045–1050
Booij, H. C. 243–247
Bordeaux, D. 743–748
Bordeianu, R. 638–645
Bosecke, P. 638–645
Boven, G. 2377–2383
Bower, D. I. 857–860, 882–889
Bowman, C. N. 135–139
Brandt, P. J. A. 180–190
Braud, C. 1797–1802
Brent Johnson, C. 1100–1107
Briber, R. M. 1003–1008
Briscoe, B. J. 440–447
Brostow, W. 979–995
Brown, W. 772–777, 1960–1967
Budinski-Simendic, J. 1514–1518
Buisson, G. 2071–2076
Bunel, C. 1797–1802
Bunn, A. 126–129, 728–735
Burzynski, R. 627–630

Cabasso, I. 2083–2088
Calvert, P. D. 258–264
de la Campa, J. G. 1955–1959
Campbell, A. J. 602–608, 1116–1121
Campos, A. 1694–1702
Candau, F. 1978–1985
Cantow, H.-J. 315–322
Carlini, C. 212–219, 353–357
Caron, A. 1797–1802
de Carvalho, A. B. M. 1294–1311
Carver, A. L. 135–139
Castellani, L. 2278–2286
Cecere, A. 1239–1244
Celda, B. 1694–1702
Cesaro, A. 834–839
Cesteros, L. C. 1871–1876
Challa, G. 1361–1367, 1368–1373, 1559–1563, 2171–2177, 2377–2383
Chang, S. J. 1589–1593
Chanzy, H. 400–405
Chatani, Y. 208–211, 2238–2244
Chee, K. K. 1711–1714
Chen, C. T. 1170–1176
Chen, J. 1018–1024
Chen, M. S. 1589–1593
Chen, S. J. 793–804
Chen, S. M. 1589–1593
Chen, W. 2171–2177
Chen, W.-P. 308–314
Chen, Y. 1937–1945
Cheng, L. 1611–1614
Cheng, S. Z. D. 845–849, 1018–1024, 1122–1129, 1763–1767
Cheradame, H. 1154–1158
Cheung, M.-F. 2299–2306, 2307–2310
Chiba, I. 1232–1238
Chithambara Thanoo, B. 1339–1342
Chu, B. 805–811
Chudnovsky, A. 435–439
Chujo, R. 850–856, 1581–1588, 1594–1596, 2425–2430
Cianciusi, A. M. 1568–1576
Cifra, P. 1321–1327
Clark, E. S. 2227–2237
Cohen, C. 778–780
Cohen-Addad, J. P. 743–748
Coleman, M. M. 1187–1203
Collart, P. 110–114
Colquhoun, H. M. 1603–1610
Composto, R. J. 2320–2328
Conio, G. 362–365
Cooper, S. L. 3–7
Corkhill, P. H. 1526–1537
Corradini, P. 530–537
Coviello, T. 834–839
Cowie, J. M. G. 486–489, 905–908, 1507–1513
Crescenzi, V. 834–839
Crist Jr, B. 2287–2293
Crockett, R. G. M. 602–608

Dairanieh, I. S. 1707–1710
Danusso, F. 1577–1580, 1735–1738
Daoust, D. 1429–1434
Daoust, H. 1946–1949
Darveau, R. 1946–1949
Dautzenberg, H. 348–352
Davies, G. R. 579–585
Davis, D. D. 2253–2259
Davis, T. P. 513–519
Dean, G. D. 1204–1215
Deffieux, A. 954–957
Dejardin, P. 736–742
Delaviz, Y. 2083–2088
Del Zoppo, M. 658–662
Dent, M. R. 1745–1749
Dentini, M. 834–839
De Schryver, F. C. 110–114
DeVries, K. L. 935–938
Devaux, J. 1429–1434
Diaz Calleja, R. 223–230
DiCorleto, J. A. 1971–1977
Di Marzio, E. A. 2294–2298
Dor, Ph. 547–555
Duan, X. 1894–1898
Duvis, T. 1085–1091

Eastmond, G. C. 358–361
Eaton, D. R. 154–159, 1726–1737
Eby, R. K. 2227–2237
Eichinger, B. E. 406–413, 414–422
Einaga, Y. 1486–1490
Ellis, T. S. 1058–1064
Elsbernd, C. L. S. 180–190
Epple, U. 961–966
Erdogan, G. 379–382
Erx!eben, J. 944–948
Evstatiev, M. 431–434

Fakirov, S. 431–434
Farmer, B. L. 1637–1648, 2227–2237
Farris, R. J. 1467–1472, 1932–1936
Fatou, J. G. 890–898, 1685–1693
Fawcett, A. H. 928–934
Fayt, R. 106–109
Feijoo, J. L. 2019–2022
Felisberti, M.-I. 1441–1448
Fernandez, M. I. 2146–2151
Fetters, L. J. 1831–1837
Finerman, T. M. 2287–2293
Flynn, K. M. 1937–1945
Forster, S. 781–792
Francois, B. 1108–1115
Frank, C. W. 1092–1099, 2089–2100, 2101–2111
Fratini, A. V. 1623–1631
Frech, R. 2245–2252
Frechet, J. M. J. 165–174
Freeman, B. D. 1045–1050
Fried, J. R. 1032–1037
Fujii, T. 344–347
Fujii, Y. 2238–2244
Fujita, H. 1486–1490
Fukuda, M. 295–302
Fukumori, K. 713–720, 2361–2367
Fukutomi, T. 679–683, 2047–2052, 2135–2140
Fukuzaki, H. 2006–2014

Author Index

de Abajo, J. 1955–1959
Abdel-Razik, E. A. 1739–1744
Abraham, R. J. 126–129, 728–735
Acevedo, M. 1955–1959
Adams, W. W. 15–19, 1623–1631, 1637–1648
Aerdts, A. 1419–1424
Ahmed, F. R. 602–608
Aithal, U. S. 1757–1762
Akaike, T. 344–347
Akbulut, U. 1343–1346
Akin, H. 270–275
Aksoy, S. 1142–1148
Al-Hillo, M. R. Y. 949–953
Al-Saigh, Z. Y. 1170–1176
Aldissi, M. 569–574
Alig, I. 877–881
Allen, S. R. 1467–1472
Altinok, H. 1142–1148
Altomare, A. 212–219, 1415–1418
Alyuruk K. 1142–1148
Amato, C. 547–555
Amdouni, N. 1245–1253
Amelino, L. 1051–1057
Aminabhavi, T. M. 1757–1762, 2346–2352
Anbergen, U. 1854–1862
Angiolini, L. 212–219, 353–357
Antolin, K. 967–970
Antonietti, M. 781–792
Aras, L. 1328–1332
Arjavalingam, G. 840–844
Armes, S. P. 569–574
Arnold, F. E. 2411–2419
Arshady, R. 1164–1169
Asakura, H. 2053–2056
Asano, M. 371–378, 2006–2014
Asbach, G. I. 1859–1865
Asua, J. M. 1347–1351, 1352–1360
Attard, G. S. 928–934
Aven, M. R. 778–780
Avramova, N. 1025–1027

Baker, K. N. 1623–1631
Bakhramov, A. D. 877–881
Bamford, C. H. 1720–1725
Ban, H. 564–568
Bansil, R. 1038–1044, 2333–2337
Barandiaran, M. J. 1347–1351, 1352–1360
Barham, P. J. 36–42, 43–45, 46–50
Barley, J. S. 845–849
Barlow, J. W. 2311–2319
Barson, C. A. 145–149
Bartczak, Z. 2027–2038
Bartos, J. 1678–1684
Bassett, D. C. 1971–1977
Bastiaansen, C. W. M. 1435–1440
Batchelder, D. N. 1116–1121
Bauwens, J-C. 248–252, 646–650
Bauwens-Crowet, C. 248–252, 646–650
Bedford, S. E. 616–620
Bellenger, V. 1787–1792
Bendler, J. T. 1663–1668
Berry, G. C. 793–804
Bevington, J. C. 145–149
Bhagwagar, D. E. 1187–1203
Bianchi, E. 362–365
Billingham, N. C. 258–264
Birshtein, T. M. 1312–1320, 2185–2196, 2197–2200
Bjork, F. 1649–1657
Blackman, J. A. 621–622
Blackwell, J. 1003–1008
Bleha, T. 1321–1327
Block, S. 2227–2237
Blume, A. 1838–1853
Blundell, D. J. 1603–1610
Boehm, R. F. 935–938
Boese, D. 1831–1837
Boileau, S. 1154–1158
Bokobza, L. 110–114, 1045–1050
Booij, H. C. 243–247
Bordeaux, D. 743–748
Bordeianu, R. 638–645
Bosecke, P. 638–645
Boven, G. 2377–2383
Bower, D. I. 857–860, 882–889
Bowman, C. N. 135–139
Brandt, P. J. A. 180–190
Braud, C. 1797–1802
Brent Johnson, C. 1100–1107
Briber, R. M. 1003–1008
Briscoe, B. J. 440–447
Brostow, W. 979–995
Brown, W. 772–777, 1960–1967
Budinski-Simendic, J. 1514–1518
Buisson, G. 2071–2076
Bunel, C. 1797–1802
Bunn, A. 126–129, 728–735
Burzynski, R. 627–630

Cabasso, I. 2083–2088
Calvert, P. D. 258–264
de la Campa, J. G. 1955–1959
Campbell, A. J. 602–608, 1116–1121
Campos, A. 1694–1702
Candau, F. 1978–1985
Cantow, H.-J. 315–322
Carlini, C. 212–219, 353–357
Caron, A. 1797–1802
de Carvalho, A. B. M. 1294–1311
Carver, A. L. 135–139
Castellani, L. 2278–2286
Cecere, A. 1239–1244
Celda, B. 1694–1702
Cesaro, A. 834–839
Cesteros, L. C. 1871–1876
Challa, G. 1361–1367, 1368–1373, 1559–1563, 2171–2177, 2377–2383
Chang, S. J. 1589–1593
Chanzy, H. 400–405
Chatani, Y. 208–211, 2238–2244
Chee, K. K. 1711–1714
Chen, C. T. 1170–1176
Chen, J. 1018–1024
Chen, M. S. 1589–1593
Chen, S. J. 793–804
Chen, S. M. 1589–1593
Chen, W. 2171–2177
Chen, W.-P. 308–314
Chen, Y. 1937–1945
Cheng, L. 1611–1614
Cheng, S. Z. D. 845–849, 1018–1024, 1122–1129, 1763–1767
Cheradame, H. 1154–1158
Cheung, M.-F. 2299–2306, 2307–2310
Chiba, I. 1232–1238
Chithambara Thanoo, B. 1339–1342
Chu, B. 805–811
Chudnovsky, A. 435–439
Chujo, R. 850–856, 1581–1588, 1594–1596, 2425–2430
Cianciusi, A. M. 1568–1576
Cifra, P. 1321–1327
Clark, E. S. 2227–2237
Cohen, C. 778–780
Cohen-Addad, J. P. 743–748
Coleman, M. M. 1187–1203
Collart, P. 110–114
Colquhoun, H. M. 1603–1610
Composto, R. J. 2320–2328
Conio, G. 362–365
Cooper, S. L. 3–7
Corkhill, P. H. 1526–1537
Corradini, P. 530–537
Coviello, T. 834–839
Cowie, J. M. G. 486–489, 905–908, 1507–1513
Crescenzi, V. 834–839
Crist Jr, B. 2287–2293
Crockett, R. G. M. 602–608

Dairanieh, I. S. 1707–1710
Danusso, F. 1577–1580, 1735–1738
Daoust, D. 1429–1434
Daoust, H. 1946–1949
Darveau, R. 1946–1949
Dautzenberg, H. 348–352
Davies, G. R. 579–585
Davis, D. D. 2253–2259
Davis, T. P. 513–519
Dean, G. D. 1204–1215
Deffieux, A. 954–957
Dejardin, P. 736–742
Delaviz, Y. 2083–2088
Del Zoppo, M. 658–662
Dent, M. R. 1745–1749
Dentini, M. 834–839
De Schryver, F. C. 110–114
DeVries, K. L. 935–938
Devaux, J. 1429–1434
Diaz Calleja, R. 223–230
DiCorleto, J. A. 1971–1977
Di Marzio, E. A. 2294–2298
Dor, Ph. 547–555
Duan, X. 1894–1898
Duvis, T. 1085–1091

Eastmond, G. C. 358–361
Eaton, D. R. 154–159, 1726–1737
Eby, R. K. 2227–2237
Eichinger, B. E. 406–413, 414–422
Einaga, Y. 1486–1490
Ellis, T. S. 1058–1064
Elsbernd, C. L. S. 180–190
Epple, U. 961–966
Erdogan, G. 379–382
Erx!eben, J. 944–948
Evstatiev, M. 431–434

Fakirov, S. 431–434
Farmer, B. L. 1637–1648, 2227–2237
Farris, R. J. 1467–1472, 1932–1936
Fatou, J. G. 890–898, 1685–1693
Fawcett, A. H. 928–934
Fayt, R. 106–109
Feijoo, J. L. 2019–2022
Felisberti, M.-I. 1441–1448
Fernandez, M. I. 2146–2151
Fetters, L. J. 1831–1837
Finerman, T. M. 2287–2293
Flynn, K. M. 1937–1945
Forster, S. 781–792
Francois, B. 1108–1115
Frank, C. W. 1092–1099, 2089–2100, 2101–2111
Fratini, A. V. 1623–1631
Frech, R. 2245–2252
Frechet, J. M. J. 165–174
Freeman, B. D. 1045–1050
Fried, J. R. 1032–1037
Fujii, T. 344–347
Fujii, Y. 2238–2244
Fujita, H. 1486–1490
Fukuda, M. 295–302
Fukumori, K. 713–720, 2361–2367
Fukutomi, T. 679–683, 2047–2052, 2135–2140
Fukuzaki, H. 2006–2014

Fuller, K. N. G. 609–615
Fulton, W. S. 609–615
Furlani, A. 1568–1576

Gabriel, W. 20–23
Galeski, A. 2027–2038
Galin, J. C. 736–742
Gall, T. P. 1491–1499
Galy, J. 1787–1792
Ganster, J. 1159–1163
Gao, P. 237–242
Garcia, R. 1694–1702
Gargallo, L. 924–927
Gaylord, R. J. 70–74
Gaymans, R. J. 524–529, 971
Gebert, M. S. 2402–2410
Gerard, J. F. 1245–1253, 1787–1792
Gerrits, N. S. J. A. 231–236
Ghedini, N. 353–357
Gianotti, G. 473–475
Ginestra, A. La., 1568–1576
Giusti, P. A. 845–849
Glasser, W. G. 1333–1338
Gloor, P. E. 1294–1311
Gnambodoe, M. 286–294
Gnanou, Y. 967–970
Goh, S. H. 1065–1069
Goldbeck-Wood, G. 586–592
Golovoy, A. 2299–2306, 2307–2310
Gomez Ribelles, J. L. 223–230
Goto, S., 276–280
Gotch, Y., 1999–2005
Graham, N. B. 909–916
Greco, R. 1239–1244
Green, D. I. 579–585
Grenet, J. 2057–2065
Griffin, M. C. A. 24–32
Griffin, W. G. 24–32
Grijpma, D. W. 2201–2206
Gronski, W. 1838–1853
Grossmann, H. P. 631–637
G'Sell, C. 2057–2065
Guenet, J. M. 195–201
Guerra, G. 530–537
Guerrero, S. J. 1615–1622
Guezala, S. 651–657
Guillon, D. 1978–1985
Guo, W. 699–706
Guyot, A. 286–294

de Haan, J. 1419–1424
Hachimori, A. 344–347
Hachisuka, H. 276–280
Hagege, R. 400–405
Hagele, P. C. 631–637, 1222–1227
Hahn, B. 721–727
Haider, B. 1904–1908
Hakemi, H. 84–91
Hamada, F. 448–452
Hamaide, T. 286–294
Hamidi, N. 924–927
Hamielec, A. E. 154–159, 1294–1311, 1546–1552, 1726–1737
Harogoppad, S. B. 2346–2352
Harris, F. W. 1122–1129
Hasegawa, H. 2368–2376
Hashimoto, T. 2368–2376
Hasirci, N. 270–275, 2393–2396
Hasirci, V. N. 270–275, 2393–2396
Hata, K. 1909–1918
Hatakeyama, H. 693–698
Hatakeyama, T. 693–698
Havriliak Jr, S. 115–120, 1782–1786
Haward, R. N. 949–953
Haworth, I. S. 126–129, 728–735
Hayakawa, T. 344–347
Hayashi, M. 501–505
Hearmon, R. A. 126–129, 728–735
Hedrick, J. L. 2384–2392
Heuschen, J. 1473–1480
Higgins, J. S. 699–706, 2146–2151
Higgs, P. G. 70–74
Hikosaka, M. 458–468
Hilborn, J. G. 2384–2392
Hilger, C. 818–823
Hill, D. J. T. 538–542
Hinkley, J. A. 75–77
Hizal, G. 1803–1806
Hlavata, D. 2112–2117
Hobbs, S. Y. 1663–1668
Hodge, P. 140–144
Hollander, A. 543–546
Holtzscherer, C. 1978–1985
Honma, A. 2238–2244
Horak, D. 2207–2213
Horii, F. 323–328
Hoshi, M. 2207–2213
Hosoda, S. 1999–2005
Hougham, G. 840–844
Hrouz, J. 2112–2117
Hu, X. 1950–1954
Huang, B. 663–667
Huang, J. 2267–2277
Huang, X. Y. 1122–1129
Huber, K. 1811–1815
Huckerby, T. N. 145–149
Huglin, M. B. 513–519, 1269–1276
Hummel, K. 939–943
van Hutten, P. F. 524–529
Hwang, E. 2245–2252

Ignatious, F. 1108–1115
Iguchi, M. 1406–1410
Iijima, T. 501–505
Ikeda, K. 344–347
Iko, K. 2066–2070
Imai, K. 2207–2213, 2006–2014
Imai, Y. 2214–2219
Imamura, S. 564–568
Imanishi, Y. 2157–2161
Inaba, M. 2157–2161
Inganas, O. 395–399
Inoue, M. 749–757
Inoue, T. 303–307, 469–472
Inoue, Y. 850–856, 1581–1588, 1594–1596
Ishikawa, M. 1232–1238
Ishioka, T. 208–211
Ishizu, K. 679–683, 2047–2052, 2135–2140
Ito, M.. 58–63
Ito, O. 1986–1990
Ito, Y. 2157–2161
Iwasaki, S. 1888–1893
Iwatsuki, M. 344–347

Jackson, C. L. 1070–1084
Jackson, R. S. 857–860
Jakes, J. 253–257, 1871–1876
Jamieson, A. M. 243–247, 812–817
Janimak, J. J. 1018–1024, 1122–1129
Jayakrishnan, A. 1339–1342
Jerome, R. 1473–1480
Jing, D. P. 110–114
Jitsumatsu, T. 1553–1558
Jo, Y. S. 1594–1596
Johnson, D. J. 8–14, 1991–1998
Johnson, R. L. 1763–1767
Jones, R. G. 1519–1525
Jung, W. 1883–1887

Kajiyama, T. 1149–1153
Kakihara, T. 824–828
Kakimoto, M. 2214–2219
Kaladas, J. 2152–2156
Kamel, I. L. 2393–2396
Kamigaito, O. 713–720, 2361–2367,
Kanamoto, T. 58–63, 2039–2046
Kang, E. T. 202–207
Karacan, I. 8–14, 1991–1998
Karasz, F. E. 627–630, 1321–1327
Kasakevich, M. L. 435–439
Katagiri, J. 2420–2424
Katime, I. 1871–1876
Kawai, H. 295–302
Kawai, Y. 564–568
Kazama, H. 2207–2213
Keller, A. 2019–2022
Kelly, J. M. 387–394
Kennett, S. N. 135–139
Keskkula, H. 869–876
Ketels, H. 1419–1424
Khor, E. 623–626
Khor, S. H. 202–207
Khurshid, A. 1343–1346
Kihara, H. 1999–2005
Kilian, H. G. 1859–1865
Kilier, J. 1288–1293
Kim, H. 869–876
Kim, M. W. 2152–2156
Kimura, O. 295–302
Kinoshita, T. 276–280
Kishimoto, M. 1581–1588, 1888–1893
Kita, H. 673–678
Kitamaru, R. 323–328
Kiyooka, S. 2039–2046
Kiyotsukuri, T. 1925–1931
Kloosterboer, J. G. 95–101
Klotz, S. 315–322
Kobayashi, M. 1406–1410, 1411–1414
Kobryanskij, V. M. 543–546
Kocak, H. I. 1328–1332
Koenig, J. L. 721–727
Kogler, G. 1538–1545
Kohama, Y. 2141–2145
Kokufuta, E. 1177–1182
Komiyama, J. 501–505
Konak, C. 253–257, 1038–1044, 1871–1876, 2118–2124, 2333–2337
Kondo, Y. 344–347
Konno, M. 2329–2332
Kono, K. 2157–2161
Koseki, K. 1553–1558
Kotera, S. 2157–2161
Koubik, P. 1816–1822
Kramer, E. J. 520–523, 1491–1499, 2320–2328
Kratochvil, P. 1816–1822, 2118–2124
Kremer, F. 1831–1837, 1883–1887
Kricheldorf, H. R. 481–485, 944–948
Krische, B. 1379–1383
Krongauz, V. V. 1130–1136
Kucukyavuz, S. 379–382, 958–960
Kucukyavuz, Z. 379–382, 1715–1717
Kumakura, M. 371–378, 2006–2014
Kumar, S. 15–19
Kurauchi, T. 713–720, 2361–2367
Kusuki, Y. 673–678

Labadie, J. W. 2384–2392
Laberge, F. 1946–1949
LaFemina, J. P. 840–844
Lambert, W. S. 2077–2082
Lamps, J. P. 967–970
Langer, R. 547–555
de Larreta-Azelain, E. 220–222
Lasky, R. C. 1491–1499
Lavrenko, P. N. 348–352, 1481–1485
Leblanc, D. 1429–1434
Lee, A. 423–430
Lee, C. 1589–1593
Lee, K. J. 406–413, 414–422
Lee, S. 1703–1706, 1065–1069
Leemans, L. 106–109
Legras, R. 1429–1434
Leikauf, B. 829–833
Lemstra, P. J. 231–236, 1435–1440
Lenz, R. W. 1632–1636
Lesar, M. 130–134
Lestel, L. 1154–1158
Letton, A. 1032–1037
Levenfeld, B. 160–164
Levi, M. 1577–1580, 1735–1738

Li, C. 3–7
Li, H. C. 623–626
Liatskaya, Yu. V. 2185–2196
Lijten, G. F. C. M. 95–101
Lindsell, W. E. 1374–1378
Lionti, M. 1228–1231
Lipatov, Yu. S. 1277–1282, 1283–1287
Lipinski, T. M. 1122–1129
Liqi F. 1960–1967
Liu, M. G. 140–144
Liu, X. 1894–1898
Liu, Z. 1425–1428
Lochmann, J. R. 1159–1163
Lotz, B. 2253–2259
Loufakis, K. 1538–1545
Lovell, R. 593–601
Lovinger, A. J. 2253–2259
Lub, J. 1009–1017
de Lucca Freitas, L. L. 818–823, 1441–1448
Lucki, J. 1772–1781
Lundstrom, I. 395–399

Ma, D. Z. 917–923
MacDonald, W. A. 684–692
Mackley, M. R. 237–242
MacKnight, W. J. 1514–1518
Maddams, W. F. 857–860
Madruga, E. L. 160–164
Maestrini, C. 2278–2286
Maj, P. E. P. 1991–1998
Malavasic, T. 1514–1518
Mamedov, B. A. 1968–1970
Mandelkern, L. 890–898, 1685–1693
Manning, J. 2245–2252
Manucharov, Y. S. 877–881
Manucharova, S. A. 877–881
Marco, C. 890–898, 1685–1693
Marcos, J. I. 1899–1903
Margolina, A. 972–974
Martini, A. 1577–1580
Martl, M. G. 939–943
Martuscelli, E. 1051–1057
Maruta, J. 303–307
Maruyama, K. 2053–2056
Maruyama, Y. 850–856, 1594–1596
Mashimo, T. 2006–2014
Masuda, S. 102–105
Mathiowitz, E. 547–555
Mathis, C. 1108–1115
Matsubayashi, Y. 1519–1525
Matsuda, M. 1986–1990
Matsui, K. 121–125
Matsumoto, A. 2141–2145
Matsumoto, T. 2066–2070
Mattice, W. L. 453–457, 1877–1882
Matusuo, M. 1456–1463
Maurer, F. H. J. 243–247
McCormack, D. E. 387–394
McCormick, C. L. 1100–1107
McEwen, I. J. 486–489, 905–908
McGrath, J. E. 180–190
McKenna, G. B. 423–430, 1937–1945
McLenaghan, A. D. W. 684–692
Mendicuti, F. 453–457, 1877–1882
Mercier, R. 78–83
Merrill, E. W. 556–563
Meunier, H. M. 387–394
Meyer, E. F. 243–247
Meyer, H. E. H. 1435–1440
Michas, A. 387–394
Mihoichi, M. 448–452
Milik, M. 506–512
Mings, S. L. 75–77
Minor, H. 996–1002
Minoura, N. 265–269
Miyamoto, M. 276–280
Miyasaka, K. 51–57, 281–285
Moet, A. 435–439
Mohammadi, A. 395–399
Moller, M. 1538–1545
Momii, T. 1137–1141
Monnerie, L. 110–114, 1045–1050
Mori, K. 2368–2376
Mukoh, A. 2420–2424
Muller, J. 1678–1684
Munoz, E. 651–657
Murakami, K. 758–764
Murata, H. 1137–1141
Murthy, N. S. 996–1002
Mustafaeva, Sh. I. 1968–1970

Nagai, A. 2420–2424
Nagase, Y. 121–125
Nagura, M. 265–269
Nakabayashi, I. 102–105
Nakagawa, M. 323–328
Nakajima, A. 448–452
Nakajima, H. 2207–2213
Nakamae, K. 1909–1918
Nakamura, A. 673–678
Nakamura, H. 303–307
Nakamura, Y. 2066–2070
Narisawa, M. 758–764
Narukawa, H. 2039–2046
Naruse, A. 121–125
Nasako, T. 448–452
Naylor, D. M. 954–957
Needles, H. L. 336–338
Neo, M. K. 1065–1069
Neoh, K. G. 202–207
Ng, S. C. 623–626
Nicholson, J. C. 2287–2293
Nicholson, T. M. 237–242
Nield, E. 1429–1434
Nijenhuis, A. J. 2201–2206
Nishihara, Y. 102–105
Nishino, T. 1909–1918
Noid, D. W. 1254–1259
Nomura, H. 1999–2005
Nomura, S. 749–757
Nugay, T. 958–960
Nwachuku, N. E. 909–916

Odell, J. A. 1116–1121
O'Donnell, J. H. 538–542
van Oene, H. 2299–2306, 2307–2310
Ogoma, Y. 344–347
Ohnaga, T. 303–307
Ohta, T. 295–302
Ohta, Y. 1581–1588
Oiwa, M. 2141–2145
Okada, T. 469–472
Okamoto, K. 673–678
Okatova, O. V. 348–352
Okazaki, T. 102–105
Okubo, M. 2066–2070
Okui, N. 92–94
O'Mahoney, C. A. 1603–1610
Omote, A. 2135–2140
Onal, A. M. 1564–1567
Ono, K. 758–764
Oosterling, M. L. C. M. 2377–2383
Oppermann, W. 1854–1858
Orlandi, E. 1899–1903
Orszagh, A. 506–512
Osaki, S. 33–35
Osredkar, U. 130–134
Otero, T. F. 220–222
Otsuki, T. 2214–2219

Paillet, M. 400–405
Painter, P. C. 1187–1203
Palaniappan, S. 1404–1405
Palmen, J. H. M. 243–247
Palmer, T. D. 2384–2392
Palyi, G. 1568–1576
Papaspyrides, C. D. 490–495, 496–500, 1085–1091
Parameswaran, V. R. 1703–1706
Park, I. 2311–2319
Park, J. S. 175–179, 2397–2401
Parker, D. S. 2267–2277
Parreno, J. 1768–1771
Parsons, I. W. 949–953
Pascal, T. 78–83
Pascault, J. P. 1245–1253, 1787–1792
Pasch, H. 1707–1710
Patel, B. 453–457, 1877–1882
Patel, P. 339–343
Paul, D. R. 869–876, 2311–2319
Peiffer, D. G. 2152–2156, 2353–2360
Pena, J. J. 651–657
Penfold, J. 2146–2151
Pennings, A. J. 2201–2206
Peppas, N. A. 135–139, 1288–1293
Percec, V. 721–727, 1658–1662, 2019–2022
Perry, B. C. 721–727
Petrenko, K. D. 1277–1282, 1283–1287
Petrovic, Z. S. 1514–1518
Philipp, B. 348–352
Phillips, P. J. 2077–2082
Piermarini, G. J. 2227–2237
Pierola, I. F. 1768–1771
Pineri, M. 387–394
Plepys, A. R. 1932–1936
Plestil, J. 2112–2117, 2118–2124
Plummer, K. H. 2299–2306
Polizzi, S. 638–645
Porter, R. S. 1228–1231
Pospisil, L. 476–480
Prasad, P. N. 627–630
Price, G. J. 1745–1749
Privalko, V. P. 1277–1282, 1283–1287
Prud'homme, R. E. 917–923
Pu, Z. 772–777

Qin, C. 663–667
Qu, B. J. 1772–1781
Quay, J. R. 1003–1008

Rabanal, N. 1871–1876
Rabek, J. F. 1772–1781
Radha, K. 1374–1378
Radic, D. 924–927
Ragimov, A. V. 1968–1970
Ragosta, G. 1239–1244
Rahalkar, R. R. 1028–1031
Rajadurai, S. 366–370
Ranby, B. 1772–1781
Randon, E. 1615–1622
Rashid, A. 909–916
Ravi-Chandar, K. 2071–2076
Ravindranath, K. 2178–2184
Read, B. E. 1204–1215
Reddy, B. S. R. 366–370
Reedijk, J. 1361–1367, 1368–1373
Regel, W. 829–833
Rego, J. M. 1269–1276
Reichert, D. 329–335
Reid, V. M. C. 486–489, 905–908
Reina, J. C. 1038–1044, 2333–2337
Rempp, P. 967–970
Rengarajan, R. 1703–1706
Rials, T. G. 1333–1338
Ribes Greus, A. 223–230
Richards, R. W. 684–692
Rietsch, F. 1449–1455
Rinaldi, P. L. 1703–1706
Rodrigues, J. 220–222
Roggero, A. 84–91
Roland, C. M. 2023–2026
Rolls, W. 165–174
Rossignol, J. M. 1449–1455
Rostami, S. 899–904
Ruckenstein, E. 175–179, 2397–2401
Russell, T. P. 520–523, 2384–2392
Russo, M. V. 1568–1576
Russo, S. 362–365
Ryan, A. J. 707–712
Rybnikar, F. 476–480

Sabra, M. K. 621–622
Sadler, D. M. 36–42, 43–45, 46–50, 195–201
Saeki, S. 1919–1924, 2338–2345
Saf, R. 939–943
Saito, H. 469–472, 1986–1990
Saito, R. 679–683
Saito, S. 1137–1141, 1888–1893, 2329–2332
Sakai, Y. 51–57
Sakurai, M. 850–856, 1594–1596
Salaneck, W. R. 395–399
San Roman, J. 160–164, 1216–1221
Sano, H. 2039–2046
Santamaria, A. 651–657
Sathyanarayana, D. N. 1404–1405
Sato, T. 824–828
Satoh, M. 501–505
Satoh, S. 1456–1463
Saucer, T. 1632–1636
Sautereau, H. 1245–1253
Sawatari, C. 1456–1463
Sawodny, M. 1859–1865
Scarinzi, G. 1239–1244
Schenk, W. 329–335
Schlick, S. 308–314
Schmid, C. 1222–1227
Schmidt, M. 781–792
Schmieg, C. 631–637
Schmitz, K. S. 1823–1830
Schneider, H. A. 829–833, 961–966
Schneider, H. 329–335
Schoo, H. F. M. 1559–1563
Schouten, A. J. 2377–2383
Schulze, H. 1883–1887
Schwarz, G. 481–485
Scranton, A. B. 1288–1293
Sebenik, A. 130–134
Sedlak, M. 253–257
Seguela, R. 1449–1455
Sellitti, C. 1051–1057
Seo, I. 1581–1588, 1888–1893
Serman, C. J. 1187–1203
Shackleton, C. 2146–2151
Shan, Y. 935–938
Shaw, M. T. 1070–1084
Shen, D. 1894–1898
Shen, J. 1425–1428
Shi, L. 1894–1898
Shibayama, M. 749–757
Shigematsu, T. 673–678
Shilov, V. V. 1793–1796
Shimizu, Y. 1909–1918
Shimomura, M. 1406–1410, 1411–1414
Shiomi, T. 448–452
Shmorhun, M. 812–817
Shortridge, T. J. 1782–1786
Shuely, W. J. 805–811
Sigwalt, P. 954–957
Sillion, B. 78–83
Silvestre, C. 1051–1057
Simha, R. 243–247, 812–817
Siow, K. S. 1065–1069
Slonecki, J. 1464–1466
Smid, J. 2083–2088
Smith, T. L. 1904–1908
Sobarzo, M. R. 556–563
Soda, K. 1811–1815
Solaro, R. 1415–1418
Solovyev, V. A. 877–881
Sonnenschein, M. F. 2023–2026
Sortia, V. 1694–1702
Soundararajan, S. 366–370
Sousy, K. 1564–1567
Soutar, I. 1374–1378
Spells, S. J. 195–201
Spontak, R. J. 1395–1400
Sridhar, K. 1122–1129
Srivastava, A. K. 150–153
Stadler, R. 818–823, 1441–1448
Stannett, V. 954–957
Stehle, A. 829–833
Stejskal, J. 1816–1822
Stenberg, B. 1649–1657
Stenger-Smith, J. D. 1632–1636
Stepanek, P. 253–257, 2118–2124
Stewart, M. J. 1374–1378
Stieber, F. 877–881
Stockmayer, W. H. 1811–1815
Stoppelmann, G. 1838–1853
Stribeck, N. 638–645
Sue, H.-J. 2267–2277
Sumpter, B. G. 1254–1259
Sun, Z. 1003–1008
Sung, C. 556–563
Sunny, M. C. 1339–1342
Sustic, A. 1772–1781
Suthar, B. 339–343
Svec, F. 165–174
Swinyard, B. 1507–1513

Tachibana, Y. 1553–1558
Taglialatela, A. 1239–1244
Takahara, A. 1149–1153
Takahashi, A. 2420–2424
Takahashi, K. 58–63, 1177–1182
Takayanagi, T. 2238–2244
Takigawa, K. 668–672
Takizawa, A. 276–280
Takizawa, T. 1925–1931
Tan, B. T. G. 202–207
Tan, H. S. 623–626
Tan, K. L. 202–207
Tan, L.-S. 2411–2419
Tanabe, Y. 1411–1414
Tanaka, A. 564–568
Tanaka, K. 673–678
Tanioka, A. 281–285
Tanzi, M. C. 1577–1580, 1735–1738
Tasdemir, H. 1803–1806
Taylor, M. A. 1116–1121
Tead, S. F. 520–523
Tealdi, A., 362–365
Tejero, R. 1694–1702
Teoh, S. H. 2260–2266
Teramoto, A. 824–828
Teraya, T. 1149–1153
Testereci, S. 1715–1717
Teyssie, Ph. 106–109, 1473–1480
Tezuka, Y. 2207–2213
Thomas, E. L. 1003–1008
Thorpe, F. G. 140–144
Tian, Y. 154–159
Tieke, B. 20–23
Tighe, B. J. 1526–1537
Tobita, H. 1546–1552
Tokito, S. 1137–1141
Tomazos, D. 1658–1662
Tomida, M. 102–105
Tomida, T. 102–105
Tomka, J. G. 8–14, 1991–1998
Tomlins, P. E. 1204–1215
Toppare, L. 1343–1346
Torkelson, J. M. 2402–2410
Tovmasyan, Y. 2039–2046
Tramontini, M. 212–219, 353–357
Truong, V. T. 1669–1677
Tsai, H. B. 1589–1593
Tsubokawa, M. 1919–1924, 2338–2345
Tsujita, Y. 276–280
Tsukada, M. 265–269
Tsukruk, V. V. 1793–1796
Tsutsui, T. 1137–1141, 1888–1893
Tsutsumi, N. 1925–1931
Tsvetkov, V. N. 348–352
Tumturk, H. 1142–1148
Turzynski, Z. 1500–1506
Tuzar, Z. 1816–1822, 1871–1876, 2112–2117, 2118–2124

Udagawa, A. 2425–2430
Ugi, I. 1164–1169
Ungar, G. 2019–2022
Unwin, A. P. 579–585, 882–889
Uragami, T. 668–672
Uranishi, K. 33–35
Urban, J. 1816–1822
Usanmaz, A. 1564–1567, 1715–1717
Uytterhoeven, H. 106–109
Uzuner, A. 258–264

Valero, M. 1216–1221
Valvassori, A. 473–475
Varyukhin, S. E. 1750–1756
Vasishtha, R. 150–153
Vazquez, Y. 1871–1876
Veeken, A. H. M. 524–529
van der Velden, G. 1419–1424
Veloso, H. 1615–1622
Venditto, V. 530–537
Verdu, J. 1787–1792
Vert, M. 1797–1802
Vicic, M. 1703–1706
Viersen, F. J. 1361–1367, 1368–1373
Vion, J. M. 1473–1480
Vizi-Orosz, A. 1568–1576
Vogl, O. 1772–1781
Volksen, W. 520–523

Wajima, M. 2420–2424
Walch, E. 524–529
Walker, C. 336–338
Walsh, D. J. 2146–2151
Wang, G. 1611–1614
Wang, J. 805–811, 1425–1428
Wang, Z.-Y. 2329–2332
Ward, I. M. 579–585, 882–889
Warren, R. C. 861–868
Watanabe, Y. 1411–1414
Watkins, V. H. 1663–1668
Wegner, G. 1632–1636
Welander, M. 64–69
Welsh, W. J. 1032–1037
Wendorff, J. H. 1678–1684
Werumeus Buning, G. H. 1009–1017
White, D. M. 2320–2328
Wierschke, S. G. 1637–1648
Wilkerson, M. H. 2162–2170
Williams, D. R. 115–120
Williams, D. J. 1603–1610
Williams, G. 928–934
Williams, J. M. 2162–2170
Williams, M. M. 135–139
Windle, A. H. 593–601, 616–620, 1395–1400
Winnik, F. M. 2125–2134
Winnik, M. A. 1611–1614
Winzor, C. L. 538–542
Winzor, D. J. 538–542
Witkowski, K. 1500–1506
Wittmann, J. C. 1978–1985
Wolf, S. 1222–1227
Wolinski, L. 1500–1506
Won, Y. G. 1787–1792
Woo, J. 358–361
Wu, H. K. 1763–1767
Wu, S. 972–974
Wu, Z. 1763–1767
Wunderlich, B. 1254–1259, 1260–1268

Xenopoulos, A. 1260–1268
Xie, Q. 336–338
Xie, X. M. 281–285
Xu, M. 1894–1898

Yagci, Y. 1803–1806
Yagi, N. 295–302
Yakura, Y. 208–211
Yamada, Y. 2047–2052
Yamaguchi, M. 2066–2070
Yamaguchi, T. 1919–1924, 2338–2345
Yamamoto, T. 749–757
Yamamoto, Y. 2425–2430

Yamanaka, H. 2006–2014
Yamanaka, J. 2338–2345
Yamaoka, T. 1553–1558
Yamazaki, M. 469–472
Yan, D. 1950–1954
Yan, F. 736–742
Yang, M. 1425–1428
Yasuda, Y. 1553–1558
Yee, A. F. 2267–2277
Yeung, A. S. 1092–1099, 2089–2100, 2101–2111
Yin, J. 663–667
Yohannan, R. M. 1130–1136
Yoshida, H. 693–698
Yoshida, M. 371–378, 2006–2014
Young, R. J. 231–236
Yuasa, H. 2006–2014

Zachmann, H. G. 638–645
Zagorska, M. 1379–1383
Zaitsev, M. G. 1750–1756
Zakaria, S. 440–447
Zerbi, G. 658–662, 1899–1903
Zetsche, A. 1883–1887
Zhang, A. 1763–1767
Zhao, Y. 1425–1428
Zhou, Q. 1894–1898
Zhu, S. 154–159, 1726–1737
Zhulina, E. B. 1312–1320, 2185–2196, 2197–2200
Zietz, R. 638–645
Zimmermann, H. 543–546
Zou, D. 1888–1893
Zulfiqar, M. 909–916

Subject Index

Absorption
  Fluorescence
    Poly(ethylene terephthalate), 2023–2026
Acoustic measurements
  Dynamic properties
    Shear, 877–881
Acrylamide
  Copolymerization
    Maleic anhydride, 958–960
  Graft copolymers
    Initiation, 1739–1744
  Polymerization
    Small-angle X-ray scattering, 1978–1985
Acrylic polymer
  Epoxy resins
    Stress, 2066–2070
Acrylonitrile
  Copolymerization
    Reactivity ratios, 736–742
  Styrene
    Toughness, 869–876
Additive
  Cellulose
    Fibre, 400–405
Adhesion
  Copolymers
    Miscible blends, 2311–2319
Adsorption
  Poly(dimethylsiloxane)
    Crystallization, 743–748
  Chelation
    Separation, 102–105
Ageing
  Annealing
    Dynamic mechanical properties, 861–868
  Epoxy network
    Stress, 423–430
  Gels
    Raman spectroscopy, 857–860
  Polycarbonate
    Annealing, 646–650
    Drawing, 1678–1684
Amorphous polymers
  Copolymer
    Caprolactone, 2006–2014
Anisotropy
  Fibre
    Stress, 1467–1472
  Thermotropic polyesters
    Viscometry, 651–657
Annealing
  Ageing
    Dynamic mechanical properties, 861–868
  Copolyesters
    Crystal morphology, 1763–1767
  Drawing
    Poly(ethylene terephthalate), 431–434
  Polycarbonate
    Ageing, 646–650
    Temperature dependence, 248–252
Aromatic polymer
  Characterization
    Synthesis, 2411–2419
  Nematic structure
    X-ray diffraction, 1991–1998
  Solution properties
    Light scattering, 684–692
Atomistic calculations
  Polyethylene
    Conformational analysis, 631–637

Beta process
  Molecular dynamics
    Bisphenol-A polymer, 1782–1786
Binary mixtures
  Light scattering
    Viscometry, 1871–1876
Binding
  Complexes
    Poly(vinyl alcohol), 758–764
  Hydration
    Solution, 501–505
  Kinetics
    Decomposition, 1963–1970
Biomaterials
  Copolymer
    Degradation, 2201–2206
Biopolarons
  Polyacetylene
    Interchain coupling, 621–622
Birefringence
  Poly(styrene sulphonate)
    Solution, 1823–1830
  Optical waveguiding
    Poly(p-phenylene vinylene), 627–630
Bismaleimide
  Kinetics
    Crosslinking, 1955–1959
  Polyimide
    Network, 78–83
Bisphenol-A polymer
  Molecular dynamics
    Beta process, 1782–1786
  Relaxation
    Polysulphone 1032–1037
Blends
  Compatibility
    Charge-transfer complex, 829–833
    Copolymer, 663–667
    Dielectric properties, 1883–1887
  Complexes
    Infra-red spectroscopy, 1269–1276
  Copolymer
    Poly(vinyl chloride), 1473–1480
  Crystallization
    Miscibility, 899–904, 1051–1057, 1283–1287
    Small-angle scattering, 2027–2038
  Diffusion
    Bonding, 1663–1668
    Reptation, 2320–2328
  Emulsion polymerization
    N.m.r. spectroscopy, 2397–2401
  Infra-red spectroscopy
    Morphology, 1899–1903
  Liquid crystals
    Molecular structure, 979–995
  Miscibility
    Critical temperatures, 1065–1069
    Polyamides, 1058–1064
    Solubility, 1187–1203
  Molecular interaction
    Glass transition temperature, 2294–2298
  Neutron scattering
    Interfaces, 2146–2151
  Nuclear magnetic resonance
    Domain, 329–335
  Nylon
    Miscibility, 1419–1424
  Percolation
    Brittle–tough transition, 971, 972–974
  Phase behaviour
    Equation of state, 315–322
    Thermal properties, 2299–2306
  Phase separation
    Kinetics, 699–706
    Reaction injection moulding, 707–712
  Poly(vinyl chloride)
    Copolymer, 115–120
  Thermodynamics
    Equation of state, 448–452
    Miscibility, 1277–1282
  Toughness
    Craze, 1232–1238
Block copolymers
  Cationic polymerization

Free-radical polymerization, 1803–1806
Grafting
Polydispersity, 2185–2196
Micelle
Concentration dependence, 2089–2100
Fluorescence, 2101–2111
Polyether
Nylon, 524–529
Scaling
Solvent system, 1312–1320, 2197–2200
Sedimentation behaviour
Light scattering, 2118–2124
Small-angle X-ray scattering
Drawing, 638–645
Viscosity, 2112–2117
Solution
Structure, 2368–2376
Synthesis
Carbon black, 106–109
Characterization, 180–190, 358–361
Phosphorylation, 362–365
Branches
Ethylene copolymers
Degradation, 1999–2005
Branching
Rubber
Polydispersity, 609–615
Bromination
Characterization
Poly(hydroxysterene), 2420–2424

Calorimetry
Conformation
Thermodynamics, 834–839
Poly(acrylic acid)
Enthalpy, 1946–1949
Caprolactone
Copolymer
Amorphous polymers, 2006–2014
Carbon black
Block copolymers
Synthesis, 106–109
Carboxymethylcellulose
Polyelectrolytes
Solution properties, 348–352
Catalysis
Complexes
Flavin, 1559–1563
Polymerization
Complexes, 1368–1373
Imidazoles, 2171–2177
Kinetics, 1361–1367
Catalyst
Conductivity
Polymerization, 1568–1576
Propylene oxide
Polymerization, 1142–1148
Cationic polymerization
Block copolymers
Free-radical polymerization, 1803–1806
Cellulose
Additive
Fibre, 400–405
Hydrogel
Interpenetrating networks, 1526–1537
Swelling behaviour
Elasticity, 1854–1858
Chain conformation
Light scattering
Model, 1811–1815
Vibrational spectroscopy
Polyoxymethylene diacetate, 1406–1410
Chain diffusion
Chain structure
Nucleation, 458–468
Chain dynamics
Monte-Carlo simulation
Gel permeation chromatography
1321–1327
Chain flexibility
Solution properties
Synthesis, 924–927
Chain folding
Neutron scattering
Polystyrene, 195–201
Polyethylene
Single crystals, 1222–1227
Chain structure
Chain diffusion
Nucleation, 458–468
Elastomer
Dynamic mechanical properties,
818–823
Monte-Carlo simulation
Theta temperature, 506–512
Polypropylene
X-ray diffraction, 2253–2259
Characterization
Aromatic polymer
Synthesis, 2411–2419
Block copolymers
Synthesis, 180–190, 358–361
Intrinsic viscosity, 379–382
Bromination
Poly(hydroxysterene), 2420–2424
Inverse gas chromatography
Poly(ethyl methacrylate), 1170–1176
Ionomers
Synthesis, 1374–1378
Light scattering
Methyl methacrylate, 1816–1822
Morphology
Microsphere, 547–555
N.m.r. spectroscopy
Resin, 1707–1710
Nuclear magnetic resonance
Epoxy resins, 2425–2430
Synthesis
Diffusion, 2402–2410
Networks, 556–563
Polymer-supported reactions,
1164–1169
Stereoregularity, 1379–1383
Charge transfer complex
Blends
Compatibility, 829–833
Electron spin resonance
Spectroscopy, 1404–1405
Structure
Complexes, 202–207
Chelation
Adsorption
Separation, 102–105
Chemical modification
Degradation
Copolymer, 1797–1802
Chlorination
Phase-transfer catalysis
Kinetics, 1519–1525
Colloid titration
Complexation
Enzyme activity, 1177–1182
Colloidal dispersion
Encapsulation
Emulsion polymerization, 175–179
Compatibility
Blends
Charge-transfer complex, 829–833
Dielectric properties, 1883–1887
Copolymer
Blends, 663–667
Solubility
Thermodynamics, 1745–1749
Complexation
Colloid titration
Enzyme activity, 1177–1182
Complexes
Binding
Poly(vinyl alcohol), 758–764
Blends
Infra-red spectroscopy, 1269–1276
Catalysis
Flavin, 1559–1563
Charge transfer complex
Structure, 202–207
Crystal structure
X-ray diffraction, 2238–2244
Polymerization
Catalysis, 1368–1373
Composites
Conducting polymers
Film, 20–23
Composition
Miscibility
Copolymer, 486–489
Concentration dependence
Block copolymers
Micelle, 2089–2100
Viscosity
Free volume theory, 1486–1490
Conducting polymers
Film
Composites, 20–23
Polypyrrole
Colloidal dispersions, 569–574
Conductivity
Catalyst
Polymerization, 1568–1576
Equation of state
Temperature dependence, 1919–1924
Film
Optical properties, 1137–1141
Configuration
Poly(acrylonitrile)
Conformation, 1159–1163
Conformation
Calorimetry
Thermodynamics, 834–839
Excimer formation
Dynamics, 453–457
Infra-red spectroscopy
X-ray diffraction, 344–347
Liquid crystalline polymer
Random coil conformation, 1658–1662
Monte-Carlo calculation
Semicrystalline polymer, 1750–1756
Piezoelectricity
Copolymer, 850–856
Poly(acrylonitrile)
Configuration, 1159–1163
Rigid rod polymer
Stiff chain polymer, 1637–1648
Conformational analysis
Copolymer
Nuclear magnetic resonance, 1594–1596
Polyethylene
Atomistic calculations, 631–637
Ziegler–Natta catalyst
Polymerization, 530–537
Conjugation
Monte-Carlo simulation
Polybutadiene, 939–943
Copolyesters
Annealing
Crystal morphology, 1763–1767
Deformation
Transition temperatures, 1228–1231
Glass transition temperature
Melt viscosity, 1589–1593
Mechanical behaviour
Liquid crystals, 579–585
Morphology
Liquid crystals, 616–620
Polycondensation
Hardness, 1464–1466
Copolymer
Adhesion
Miscible blends, 2311–2319
Biomaterials
Degradation, 2201–2206

Blends
Poly(vinyl chloride), 1473–1480
Caprolactone
Amorphous polymers, 2006–2014
Compatibility
Blends, 663–667
Conformation,
Piezoelectricity, 850–856
Conformational analysis
Nuclear magnetic resonance, 1594–1596
Degradation
Chemical modification, 1797–1802
Dielectric relaxation
Transition phenomena, 1888–1893
Excimer formation
Fluorescence spectroscopy, 1611–1614
Frictional coefficient
Microstructure, 1028–1031
Ionomers
Dipole moment, 1328–1332
Mechanical properties
Morphology, 2384–2392
Miscibility
Composition, 486–489
Interaction parameter, 905–908
Morphology
Electron microscopy, 2047–2052
N.m.r. spectroscopy
Functional group, 728–735
Sulphonation, 126–129
Nuclear magnetic resonance
FT infra-red spectroscopy, 1703–1706
Optical activity
Initiation, 212–219
Poly(vinyl chloride)
Blends, 115–120
Redox system
Infra-red spectroscopy, 1577–1580
Stereoregularity
N.m.r. spectroscopy, 1216–1221
Surface studies
Molecular mobility, 1149–1153
Synthesis
Thermodynamics, 2214–2219

Copolymer blends
Electron microscopy
Phase separation, 2135–2140
Foam
Phase behaviour, 2162–2170

Copolymerization
Acrylamide
Maleic anhydride, 958–960
Acrylonitrile
Reactivity ratios, 736–742
Electroinitiation
Cyclic voltammetry, 1343–1346
Free-radical polymerization
Radical, 154–159
Gelation
Crosslinking, 2141–2145
Glass transition
Thermal behaviour, 961–966
Glycidyl methacrylate
Styrene, 366–370
Kinetic model
Ziegler–Natta catalyst, 1294–1311
Methyl methacrylate
End groups, 145–149
Termination
Radical, 1726–1737

Correlation function
Phase transition
Smectic polymers, 1793–1796

Crack propagation
Fatigue
Creep, 435–439

Crazing
Blends
Toughness, 1232–1238
Polyimide
Fracture toughness, 75–77

Creep
Fatigue
Crack propagation, 435–439
Physical ageing
Semicrystalline polymer, 1204–1215
Polyethylene
Stress, 64–69
Polypropylene
Stress, 2260–2266

Critical temperatures
Blends
Miscibility, 1065–1069

Crosslink density
Epoxy network
Glass transition temperature, 1787–1792
Hydrogel
Young's modulus, 513–519
Rubber
Swelling, 1937–1945

Crosslinking
Gelation
Copolymerization, 2141–2145
Gels
Degradation, 2393–2396
Kinetics
Bismaleimide, 1955–1959
Polyacrylamide, 1546–1552
Light scattering
Radiation effects, 1500–1506
Network swelling
Dimethylacrylates, 135–139
Networks
Glass transition, 95–101
Poly(ethylene oxide)
Networks, 1154–1158
Poly(methacrylic acid)
Irradiation, 538–542
Poly(methyl methacrylate)
Solvent effects, 679–683
Polycondensation
Sulphonation, 353–357
Resists
Graft polymer, 1553–1558

Crystal growth
Nylon
Crystal structure, 1025–1027
Poly(ethylene oxide)
Kinetics, 1018–1024
Spherulite
Poly(ethylene oxide), 845–849

Crystal morphology
Copolyesters
Annealing, 1763–1767

Crystal structure
Complexes
Hydrogen bonding, 208–211
Nylon
Crystal growth, 1025–1027
Oligomer
X-ray diffraction, 1603–1610
Poly(tetrafluoroethylene)
High pressure, 2227–2237
Rigid rod polymer
Polyphenyls, 1623–1631
X-ray diffraction
Complexes, 2238–2244

Crystallinity
Membrane
Permeability, 265–269
X-ray diffraction
Poly(vinyl chloride), 1615–1622
Semicrystalline polymers, 996–1002

Crystallization
Blends
Miscibility, 899–904, 1051–1057, 1283–1287
Kinetics
Modelling, 586–592
Polyethylene, 890–898
Mechanical properties
Film, 1456–1463
Molecular weight
Polyethylene, 1685–1693
Nucleating agent
Ternary system, 469–472
Poly(dimethylsiloxane)
Absorption, 743–748
Poly(ethylene terephthalate)
Thermal diffusivity, 1925–1931
Polyethylene
Spherulite, 1971–1977
Rheology
Polypropylene, 476–480
Small-angle scattering
Blends, 2027–2038
Thermodynamics
Polyethylene, 1859–1865

Curing
Stress
Epoxy resins, 1932–1936

Cyclic voltammetry
Electroinitiation
Activation energy, 1564–1567
Copolymerization, 1343–1346
Spectroscopy
Film, 1632–1636

D.s.c.
Liquid crystalline polymer
Nematic structure, 2019–2022
Phase transition
Water, 693–698

Decomposition
Binding
Kinetics, 1968–1970

Deformation
Copolyesters
Transition temperatures, 1228–1231
Polycarbonate
Necking, 2071–2076

Degradation
Copolymer
Biomaterials, 2201–2206
Chemical modification, 1797–1802
Crosslinking
Gels, 2393–2396
Ethylene copolymers
Branches, 1999–2005

Density distribution
Polystyrene
Glass transition temperature, 935–938

Dichroism
Polyenes
Poly(vinyl alcohol) 2053–2056

Dielectric properties
Blends
Compatibility, 1883–1887
Polyimide
Doping, 623–626
Polyurethane
Polymer networks, 339–343

Dielectric relaxation
Copolymers
Transition phenomena, 1888–1893
Liquid crystalline polymer
Gel, 928–934

Diffusion
Blends
Bonding, 1663–1668
Reptation, 2320–2328
Doping
Kinetics, 1108–1115
Dynamic light scattering,
Aggregation, 253–257
Gels
Temperature dependence, 2333–2337
Intrinsic viscosity
Molecular weight, 1481–1485

Microscopy
Polypropylene, 258–264
Permeation
Sorption, 2346–2352
Polymer networks
Solubility, 1288–1293
Polystyrene
Dynamic light scattering, 778–780
Solution properties, 1491–1499
Sorption
Elastomer,1757–1762
Permeability, 673–678
Synthesis
Characterization, 2402–2410
Dilatometry
Styrene
Kinetics, 150–153
Dimethyl terephthalate
Oligomer
Ethylene glycol, 1352–1360
Dipole moment
Ionomers
Copolymer, 1328–1332
Radiation effects
Intrinsic viscosity, 1715–1717
Domain
Blends
Nuclear magnetic resonance, 329–335
Doping
Kinetics
Diffusion, 1108–1115
Polyimide
Dielectric properties, 623–626
Drawing
Ageing
Polycarbonate, 1678–1684
Annealing
Poly(ethylene terephthalate), 431–434
Fibril
Polyethylene, 51–57
Neutron scattering
Fibre, 36–42, 43–45, 46–50
Poly(vinyl alcohol)
Molecular weight, 2039–2046
Small-angle X-ray scattering
Block copolymers, 638–645
D.s.c.
Gelation
Polycondensation, 1514–1518
Dyes
Polyester
Film, 336–338
Dynamic light scattering
Polyelectrolytes
Small-angle neutron scattering, 781–792
Polystyrene
Diffusion, 778–780
Dynamic mechanical analysis
Mechanical relaxation
Glass transition, 1441–1448
Dynamic mechanical properties
Ageing
Annealing, 861–868
Elastomer
Chain structure, 818–823
Dynamic properties
Polyacrylamide
Gels, 1960–1967
Shear
Acoustic measurements, 877–881
Dynamics
Excimer formation
Conformation, 453–457
Gels
Solution, 1038–1044
Heat capacity
Temperature dependence, 1254–1259
Hydrostatic pressure effects
Polyisoprene, 1045–1050
Molecular structure
Morphology, 1538–1545
Poly(methyl methacrylate)
Poly(vinyl acetate), 2329–2332

Elastic modulus
Polyoxymethylene
Temperature dependence, 1909–1918
Elasticity
Modelling
Polyurethane networks, 406–413
414–422
Swelling behaviour
Cellulose, 1854–1858
Elastomer
Dynamic mechanical properties
Chain structure, 818–823
Sorption
Diffusion, 1757–1762
X-ray diffraction
Electron diffraction, 1003–1008
Electrical conduction
Polypyrrole
Synthesis, 395–399
Electroinitiation
Cyclic voltammetry
Activation energy, 1564–1567
Copolymerization, 1343–1346
Electron beam irradiation
Electron microscopy
Thermal stability, 15–19
Electron diffraction
Elastomer
X-ray diffraction, 1003–1008
Electron microscopy
Copolymer blends
Phase separation, 2135–2140
Liquid crystalline polymer
Random copolymer, 1395–1400
Morphology
Copolymer, 2047–2052
Electron spin resonance
Charge-transfer complex
Spectroscopy, 1404–1405
Phase separation
Polyurethanes, 308–314
Emulsion polymerization
Blends
N.m.r. spectroscopy, 2397–2401
Encapsulation
Colloidal dispersion, 175–179
Encapsulation
Emulsion polymerization
Colloidal dispersion, 175–179
End groups
Methyl methacrylate
Copolymerization, 145–149
Polycarbonate
SSIMS, 1009–1017
Energy transfer
Phase transition
Fluorescence, 2125–2134
Entanglements
Memory
Polyethylene, 1435–1440
Rubber elasticity
Modelling, 70–74
Enthalpy
Calorimetry
Poly(acrylic acid), 1946–1949
Entropy
Polystyrene, 473–475
Entropy
Enthalpy
Polystyrene, 473–475
Enzyme activity
Complexation
Colloid titration, 1177–1182
Epoxies
Physical ageing
Spectroscopy, 812–817
Epoxy network
Ageing
Stress, 423–430
Crosslink density
Glass transition temperature, 1787–1792
Wide-angle X-ray scattering
Structure, 593–601
Epoxy resins
Characterization
Nuclear magnetic resonance, 2425–2430
Fracture
Crack propagation, 1669–1677
Stress
Acrylic polymer, 2066–2070
Curing, 1932–1936
Equation of state
Phase behaviour
Blends, 315–322
Temperature dependence
Conductivity, 1919–1924
Self-diffusion, 2338–2345
Thermodynamics
Blends, 448–452
Ethylene copolymers
Degradation
Branches, 1999–2005
Fibre
Mechanical properties, 1449–1455
Excimer fluorescence
Polyphosphazene
Solution, 1092–1099
Excimer formation
Conformation
Dynamics, 453–457
Copolymers
Fluorescence spectroscopy, 1611–1614
Polyesters
Fluorescence, 1877–1882

FT infra-red spectroscopy
Copolymer
Nuclear magnetic resonance, 1703–1706
Fatigue
Creep
Crack propagation, 435–439
Fibre
Anisotropy
Stress, 1467–1472
Cellulose
Additive, 400–405
Ethylene copolymers
Mechanical properties, 1449–1455
Neutron scattering
Drawing, 36–42, 43–45, 46–50
Thermotropic polyesters
Liquid crystals, 8–14
Film
Conducting polymers
Composites, 20–23
Mechanical properties
Crystallization, 1456–1463
Optical properties
Conductivity, 1137–1141
Phase structure
N.m.r. spectroscopy, 323–328
Photopolymerization
Fluorescence, 1130–1136
Polyester
Dyes, 336–338
Polythiophene
Temperature effects, 220–222
Spectroscopy
Cyclic voltammetry, 1632–1636
Flavin
Complexes
Catalysis, 1559–1563
Flexibility
Light scattering
Modelling, 24–32

Fluorescence
Absorption
Poly(ethylene terephthalate), 2023–2026
Block copolymers
Micelle, 2101–2111
Excimer formation
Polyesters, 1877–1882
Gelation
Polyacrylamide, 1768–1771
Mobility probe
Free volume theory, 110–114
Phase transition
Energy transfer, 2125–2134
Photopolymerization
Film, 1130–1136
Polyimide
Laser etching, 840–844
Fluorescence spectroscopy
Excimer formation
Copolymers, 1611–1614
Free volume theory
Poly(vinyl acetate), 243–247
Foam
Copolymer blends
Phase behaviour, 2162–2170
Fracture
Epoxy resins
Crack propagation, 1669–1677
Fracture toughness
Polyimide
Crazing, 75–77
Free volume theory
Fluorescence
Mobility probe, 110–114
Fluorescence spectroscopy
Poly(vinyl acetate), 243–247
Viscosity
Concentration dependence, 1486–1490
Free-radical polymerization
Block copolymers
Cationic polymerization, 1803–1806
Copolymerization
Radical, 154–159
Kinetics
Termination, 1720–1725
Synthesis
Phenacetin, 160–164
Frictional coefficient
Copolymer
Microstructure, 1028–1031
Functional group
Copolymer
N.m.r. spectroscopy, 728–735
Synthesis
Polymerization, 371–378

Gas transport
Crosslinking
Permeation, 276–280
Gel permeation chromatography
Monte-Carlo simulation
Chain dynamics, 1321–1327
Gelation
Copolymerization
Crosslinking, 2141–2145
Fluorescence
Polyacrylamide, 1768–1771
Hysteresis
Supercooling, 281–285
Phase behaviour
Rod-like polymer, 1070–1084
Polycondensation,
D.s.c., 1514–1518
Gels
Ageing
Raman spectroscopy, 857–860
Crosslinking
Degradation, 2393–2396
Diffusion
Temperature dependence, 2333–2337
Dynamics
Solution, 1038–1044
Liquid crystalline polymer
Dielectric relaxation, 928–934
Polyacrylamide
Dynamic properties, 1960–1967
Glass transition
Copolymerization
Thermal behaviour, 961–966
Mechanical relaxation
Dynamic mechanical analysis, 1441–1448
Networks
Mechanical properties, 1245–1253
Glass transition temperature
Copolyester
Melt viscosity, 1589–1593
Epoxy network
Crosslink density, 1787–1792
Polyacrylates
Radiopacity, 2083–2088
Polystyrene
Density distribution, 935–938
Glycidyl methacrylate
Styrene
Copolymerization, 366–370
Graft copolymers
Acrylamide
Initiation, 1739–1744
Polyurethanes
Synthesis, 2207–2213
Graft polymer
Kinetics
Silica, 2377–2383
Resists
Crosslinking, 1553–1558
Grafting
Block copolymers
Polydispersity, 2185–2196
Photoinitiation
Stabilization, 1772–1781
Polycarbonate
Membrane, 2157–2161

Heat capacity
Dynamics
Temperature dependence, 1254–1259
Nylon
Vibrational spectroscopy, 1260–1268
High modulus
Swelling
Mechanical properties, 237–242
High pressure
Crystal structure
Poly(tetrafluoroethylene), 2227–2237
Raman spectroscopy
Polyethylene, 1425–1428
Hydration
Binding
Solution, 501–505
Hydrogel
Crosslink density
Young's modulus, 513–519
Interpenetrating networks
Cellulose, 1526–1537
Permeability
Membrane, 270–275
Poly(ethylene oxide)
Water, 909–916
Hydrophobic
Micelle
Viscosity, 2353–2360
Hydrostatic pressure effects
Dynamics
Polyisoprene, 1045–1050
Hydroxypropyl cellulose
Lignin
Morphology, 1333–1338

Imidazoles
Catalysis
Polymerization, 2171—2177
Infra-red spectroscopy
Blends
Complexes, 1269–1276
Morphology, 1899–1903
Conformation
X-ray diffraction, 344–347
Copolymer
Redox system, 1577–1580
Surface studies
Melting behaviour, 658–662
Initiation
Graft copolymers
Acrylamide, 1739–1744
Optical activity
Copolymer, 212–219
Vinyl monomers
Photolysis, 1986–1990
Interaction parameter
Copolymer
Miscibility, 905–908
Inverse gas chromatography
Solubility, 1711–1714
Interchain coupling
Polyacetylene
Biopolarons, 621–622
Interfaces
Neutron scattering
Blends, 2146–2151
Interpenetrating networks
Hydrogel
Cellulose, 1526–1537
Interphase width
Nuclear magnetic resonance
Motional heterogeneity, 1838–1853
Intrinsic viscosity
Diffusion
Molecular weight, 1481–1485
Radiation effects
Dipole moment, 1715–1717
Inverse gas chromatography
Characterization
Poly(ethyl methacrylate), 1170—1176
Interaction parameter
Solubility, 1711–1714
Ion beam
Polyimide
Kinetics, 520–523
Ionomers
Characterization
Synthesis, 1374–1378
Copolymer
Dipole moment, 1328–1332
Membrane
Spectroscopy, 387–394
Solution properties
Temperature dependence, 286–294
Irradiation
Crosslinking
Poly(methacrylic acid), 538–542
Isomerism
Kinetics
Molecular weight distribution, 1950–1954

Kinetic model
Copolymerization
Ziegler–Natta catalyst, 1294–1311
Kinetics
Binding
Decomposition, 1968–1970
Bismaleimide
Crosslinking, 1955–1959
Blends
Phase separation, 699–706
Crosslinking
Polyacrylamide, 1546–1552

Crystallization
Modelling, 586–592
Polyethylene, 890–898
Doping
Diffusion, 1108–1115
Free-radical polymerization
Termination, 1720–1725
Grafted polymer
Silica 2377–2383
Isomerism
Molecular weight distribution, 1950–1954
Liquid crystals
Spacer group, 1122–1129
Phase separation
Poly(ether sulphone), 303–307
Phase-transfer catalysis
Chlorination, 1519–1525
Poly(ethylene oxide)
Crystal growth, 1018–1024
Polydiacetylene
Raman spectroscopy, 1116–1121
Polyimide
Ion beam, 520–523
Polymerization
Catalysis, 1361–1367
Styrene
Dilatometry, 150–153

Laser etching
Polyimide
Fluorescence, 840–844
Light scattering
Binary mixtures
Viscometry, 1871–1876
Block copolymers
Sedimentation behaviour, 2118–2124
Chain conformation
Model, 1811–1815
Characterization
Methyl methacrylate, 1816–1822
Crosslinking
Radiation effects, 1500–1506
Flexibility
Modelling, 24–32
Liquid crystals
Polypeptide, 84–91
Polystyrene
Poly(methyl methacrylate), 1871–1876
Theta temperature, 793–804
Solution properties
Aromatic polymer, 684–692
Lignin
Hydroxypropyl cellulose
Morphology, 1333–1338
Liquid crystalline polymer
Conformation
Random coil conformation, 1658–1662
Dielectric relaxation
Gel, 928–934
Electron microscopy
Random copolymer, 1395–1400
Nematic structure
D.s.c., 2019–2022
Liquid crystals
Kinetics
Spacer group, 1122–1129
Light scattering
Polypeptide, 84–91
Mechanical behaviour
Copolyesters, 579–585
Molecular structure
Blends, 979–995
Morphology
Copolyester, 616–620
N.m.r. spectroscopy
Temperature effects, 721–727
Thermotropic polyesters
Fibre, 8–14
Liquid polymers
Polymerization
Radiation effects, 954–957
Lithiation
Poly(vinyl thiophene)
Polymer-supported reaction, 140–144

Maleic anhydride
Copolymerization
Acrylamide, 958–960
Mathematical modelling
Polymerization
Reactivity ratios, 2178–2184
Mechanical behaviour
Liquid crystals
Copolyesters, 579–585
Mechanical properties
Copolymers
Morphology, 2384–2392
Ethylene copolymers
Fibre, 1449–1455
Film
Crystallization, 1456–1463
High modulus
Swelling, 237–242
Networks
Glass transition, 1245–1253
Poly(butylene terephthalate)
Processing, 1239–1244
Poly(ethylene terephthalate)
Drawing, 58–63
Polypropylene
Modelling, 882–889
Polysulphone
Poly(phenyl sulphide, 2307–2310
Mechanical relaxation
Glass transition
Dynamic mechanical analysis, 1441–1448
Melamine
Resin
N.m.r. spectroscopy, 130–134
Melt viscosity
Copolyester
Glass transition temperature, 1589–1593
Melting
Phase transition
Wide-angle X-ray scattering, 481–485
Structure
Polyethylenes, 2077–2082
Melting behaviour
Crystallization
Glass transition, 92–94
Surface studies
Infra-red spectroscopy, 658–662
Membrane
Ionomers
Spectroscopy, 387–394
Permeability
Crystallinity, 265–269
Hydrogel, 270–275
Permeation
Separation, 668–672
Polycarbonate
Grafting, 2157–2161
Memory
Entanglements
Polyethylene, 1435–1440
Methyl methacrylate
Copolymerization
End groups, 145–149
Light scattering
Characterization, 1816–1822
Redox system
Radical polymerization, 1735–1738
Micelle
Block copolymers
Concentration dependence, 2089–2100
Fluorescence, 2101–2111
Hydrophobic
Viscosity, 2353–2360

Microscopy
Diffusion
Polypropylene, 258–264
Microsphere
Morphology
Characterization, 547–555
Microstructure
Copolymer
Frictional coefficient, 1028–1031
Nuclear magnetic resonance
Vinylidene cyanide, 1581–1588
Miscibility
Blends
Critical temperatures, 1065–1069
Crystallization, 1051–1057, 1283–1287
Polyamides, 1058–1064
Solubility, 1187–1203
Thermodynamics, 1277–1282
Copolymer
Composition, 486–489
Interaction parameter, 905–908
Crystallization
Blend, 899–904
Nylon
Blends, 1419–1424
Phase behaviour
Polymer blends, 917–923
Miscible blends
Adhesion
Copolymers, 2311–2319
Mobility probe
Fluorescence
Free volume theory, 110–114
Modelling
Crystallization
Kinetics, 586–592
Light scattering
Flexibility, 24–32
Mechanical properties
Polypropylene, 882–889
Polycarbonate
Shear, 2057–2065
Polyurethane networks
Elasticity, 406–413, 414–422
Rubber elasticity
Entanglements, 70–74
Molecular dynamics
Beta process
Bisphenol-A polymer, 1782–1786
Polyisoprene
Spectroscopy, 1831–1837
Molecular interaction
Blends
Glass transition temperature, 2294–2298
Molecular mobility
Surface studies
Copolymer, 1149–1153
Molecular orientation
Structure
Langmuir–Blodgett films, 602–608
Molecular structure
Dynamics
Morphology, 1538–1545
Liquid crystals
Blends, 979–995
Molecular weight
Crystallization
Polyethylene, 1685–1693
Drawing
Poly(vinyl alcohol), 2039–2046
Intrinsic viscosity
Diffusion, 1481–1485
Thermotropic polyesters
Orientation, 1894–1898
Molecular weight distribution
Kinetics
Isomerism, 1950–1954
Monte-Carlo calculation
Conformation
Semicrystalline polymer, 1750–1756

Monte-Carlo simulation
Chain dynamics
Gel permeation chromatography, 1321–1327
Polybutadiene
Conjugation, 939–943
Theta temperature
Chain structure, 506–512
Morphology
Blends
Infra-red spectroscopy, 1899–1903
Copolymer
Electron microscopy, 2047–2052
Copolymers
Mechanical properties, 2384–2392
Electron microscopy
Thin films, 3–7
Lignin
Hydroxypropyl cellulose, 1333–1338
Liquid crystals
Copolyester, 616–620
Microsphere
Characterization, 547–555
Molecular structure
Dynamics, 1538–1545
Vibrational spectroscopy
Poly(ethylene oxide), 1411–1414
Motional heterogeneity
Nuclear magnetic resonance
Interphase width, 1838–1853

N.m.r. spectroscopy
Characterization
Resin, 1707–1710
Copolymer
Functional group, 728–735
Sulphonation, 126–129
Emulsion polymerization
Blends, 2397–2401
Liquid crystals
Temperature effects, 721–727
Relaxation
Stereoregularity, 1415–1418
Resin
Melamine, 130–134
Rubber vulcanizate
Swelling, 713–720
Stereoregularity
Copolymer, 1216–1221
Necking
Polycarbonate
Deformation, 2071–2076
Nematic structure
Aromatic polymer
X-ray diffraction, 1991–1998
Liquid crystalline polymer
D.s.c., 2019–2022
Network swelling
Crosslinking
Dimethylacrylates, 135–139
Networks
Glass transition
Mechanical properties, 1245–1253
Poly(ethylene oxide)
Crosslinking, 1154–1158
Polyimide
Bismaleimide, 78–83
Stress
Rubber, 1649–1657
Synthesis
Characterization, 556–563
Neutron scattering
Blends
Interfaces, 2146–2151
Drawing
Fibre, 36–42, 43–45, 46–50
Polystyrene
Chain folding, 195–201
Nuclear magnetic resonance
Blends
Domain, 329–335
Characterization
Epoxy resins, 2425–2430
Conformational analysis
Copolymer, 1594–1596
Copolymer
FT infra-red spectroscopy, 1703–1706
Microstructure
Vinylidene cyanide, 1581–1588
Motional heterogeneity
Interphase width, 1838–1853
Nucleating agent
Crystallization
Ternary system, 469–472
Nucleation
Chain diffusion
Chain structure, 458–468
PEEK
PEK, 1429–1434
Nylon
Blends
Miscibility, 1419–1424
Block copolymers
Polyether, 524–529
Crystal structure
Crystal growth, 1025–1027
Heat capacity
Vibrational spectroscopy, 1260–1268
Nylon salt
Polyamidation
Water accumulation, 496–500
Polycondensation
Polyamidation, 490–495

Oligomer
Crystal structure
X-ray diffraction, 1603–1610
Dimethyl terephthalate
Ethylene glycol, 1347–1351, 1352–1360
Optical activity
Initiation
Copolymer, 212–219
Optical properties
Film
Conductivity, 1137–1141
Optical waveguiding
Poly(p-phenylene vinylene)
Birefringence, 627–630
Orientation
Structure
Polyurethane, 749–757
Thermotropic polyesters
Molecular weight, 1894–1898

PEEK
Nucleation
PEK, 1429–1434
PEK
Nucleation
PEEK, 1429–1434
Particle size distribution
Polymerization
Suspension, 1339–1342
Percolation
Blends
Brittle–tough transition, 971, 972–974
Permeability
Hydrogel
Membrane, 270–275
Membrane
Crystallinity, 265–269
Sorption
Diffusion, 673–678
Permeation
Diffusion
Sorption, 2346–2352
Separation
Membrane, 668–672
Phase behaviour
Blends
Equation of state, 315–322
Thermal properties, 2299–2306
Foam
Copolymer blends, 2162–2170
Gelation
Rod-like polymer, 1070–1084
Miscibility
Polymer blends, 917–923
Temperature effects
Heats of dilution, 1507–1513
Xanthan
Solution, 824–828
Phase separation
Blends
Kinetics, 699–706
Copolymer blends
Electron microscopy, 2135–2140
Kinetics
Poly(ether sulphone), 303–307
Polyurethanes
Electron spin resonance, 308–314
Reaction injection moulding
Blends, 707–712
Phase structure
Film
N.m.r. spectroscopy, 323–328
Phase transition
Correlation function
Smectic polymers, 1793–1796
Energy transfer
Fluorescence, 2125–2134
Melting
Wide-angle X-ray scattering, 481–485
Water
D.s.c., 693–698
Phase-transfer catalysis
Chlorination
Kinetics, 1519–1525
Phosphorylation
Synthesis
Block copolymers, 362–365
Photoinitiation
Grafting
Stabilization, 1772–1781
Photolysis
Initiation
Vinyl monomers, 1986–1990
Photopolymerization
Film
Fluorescence, 1130–1136
Physical ageing
Creep
Semicrystalline polymer, 1204–1215
Epoxies
Spectroscopy, 812–817
Polycarbonate
Temperature dependence, 1904–1908
Piezoelectricity
Conformation
Copolymer, 850–856
Poly(acrylic acid)
Calorimetry
Enthalpy, 1946–1949
Poly(acrylonitrile)
Conformation
Configuration, 1159–1163
Poly(butylene terephthalate)
Processing
Mechanical properties, 1239–1244
Poly(dimethylsiloxane)
Crystallization
Adsorption, 743–748
Poly(ethyl methacrylate)
Characterization
Inverse gas chromatography, 1170–1176
Poly(ethylene oxide)
Crosslinking
Networks, 1154–1158
Crystal growth
Kinetics, 1018–1024

Spherulite, 845–849
Hydrogel
Water, 909–916
Vibrational spectroscopy
Morphology, 1411–1414
Poly(ethylene terephthalate)
Absorption
Fluorescence, 2023–2026
Crystallization
Thermal diffusivity, 1925–1931
Refractive index
Birefringence, 33–35
Poly(methacrylic acid)
Crosslinking
Irradiation, 538–542
Poly(methyl methacrylate)
Crosslinking
Solvent effects, 679–683
Dynamics
Poly(vinyl acetate), 2329–2332
Polystyrene
Light scattering, 1871–1876
Structural relaxation
Thermal history, 223–230
Poly(p-phenylene vinylene)
Optical waveguiding
Birefringence, 627–630
Poly(propylene oxide)
Vibrational spectroscopy
Conducting polymer, 2245–2252
Poly(styrene sulphonate)
Birefringence
Solution, 1823–1830
Poly(tetrafluoroethylene)
Crystal structure
High pressure, 2227–2237
Poly(vinyl acetate)
Dynamics
Poly(methyl methacrylate), 2329–2332
Free volume theory
Fluorescence spectroscopy, 243–247
Poly(vinyl alcohol)
Complexes
Binding, 758–764
Dichroism
Polyenes, 2053–2056
Drawing
Molecular weight, 2039–2046
Poly(vinyl chloride)
Blends
Copolymer, 115–120
Copolymer
Blends, 1473–1480
Film
Migration, 1085–1091
Matrix
Dehydrochlorination, 543–546
X-ray diffraction
Crystallinity, 1615–1622
Poly(vinyl thiophene)
Polymer-supported reaction
Lithiation, 140–144
Polyacetylene
Biopolarons
Interchain coupling, 621–622
Polyacrylamide
Crosslinking
Kinetics, 1546–1552
Dynamic properties
Gels, 1960–1967
Fluorescence
Gelation, 1768–1771
Polyacrylates
Radiopacity
Glass transition temperature, 2083–2088
Polyamidation
Nylon salt
Polycondensation, 490–495
Water accumulation, 496–500
Polyamides
Miscibility
Blends, 1058–1064
Polybutadiene
Monte-Carlo simulation
Conjugation, 939–943
Polycarbonate
Ageing
Drawing, 1678–1684
Annealing
Ageing, 646–650
Temperature dependence, 248–252
Deformation
Necking, 2071–2076
End groups
SSIMS, 1009–1017
Membrane
Grafting, 2157–2161
Physical ageing
Temperature dependence, 1904–1908
Shear
Modelling, 2057–2065
Toughness
Rubber, 2267–2277
Polycondensation
Crosslinking
Sulphonation, 353–357
Gelation
D.s.c., 1514–1518
Nylon salt
Polyamidation, 490–495
Polydiacetylene
Kinetics
Raman spectroscopy, 1116–1121
Polydispersity
Block copolymers
Grafting, 2185–2196
Branching
Rubber, 609–615
Polyelectrolytes
Carboxymethylcellulose
Solution properties, 348–352
Dynamic light scattering
Small-angle neutron scattering, 781–792
Polyenes
Dichroism
Poly(vinyl alcohol), 2053–2056
Polyester
Film
Dyes, 336–338
Polyesters
Excimer formation
Fluorescence, 1877–1882
Stability, 944–948
Polyether
Block copolymers
Nylon, 524–529
Polyethylene
Conformational analysis
Atomistic calculations, 631–637
Creep
Stress, 64–69
Crystallization
Kinetics, 890–898
Molecular weight, 1685–1693
Spherulite, 1971–1977
Entanglements
Memory, 1435–1440
Raman spectroscopy
High pressure, 1425–1428
Single crystals
Chain folding, 1222–1227
Tensile properties
Young's modulus, 231–236
Thermodynamics
Crystallization, 1859–1865
Polyimide
Bismaleimide
Network, 78–83
Doping
Dielectric properties, 623–626
Fluorescence
Laser etching, 840–844
Fracture toughness
Crazing, 75–77
Kinetics
Ion beam, 520–523
Polyisoprene
Hydrostatic pressure effects
Dynamics, 1045–1050
Molecular dynamics
Spectroscopy, 1831–1837
Polymer blends
Miscibility
Phase behaviour, 917–923
Polymer networks
Diffusion
Solubility, 1288–1293
Polyurethane
Dielectric properties, 339–343
Polymer-supported reaction
Poly(vinyl thiophene)
Lithiation, 140–144
Polymerization
Acrylamide
Small-angle X-ray scattering, 1978–1985
Catalysis
Complexes, 1368–1373
Imidazoles, 2171–2177
Kinetics, 1361–1367
Conductivity
Catalyst, 1568–1576
Functional group
Synthesis, 371–378
Propylene oxide
Catalyst, 1142–1148
Radiation effects
Liquid polymers, 954–957
Suspension
Particle size distribution, 1339–1342
Ziegler–Natta catalyst
Conformational analysis, 530–537
Polyolefin blends
Small-angle neutron scattering
Thermodynamics, 2287–2293
Polyoxymethylene
Elastic modulus
Temperature dependence, 1909–1918
Polyoxymethylene diacetate
Vibrational spectroscopy
Chain conformation, 1406–1410
Polypeptide
Light scattering
Liquid crystals, 84–91
Polyphenyls
Crystal structure
Rigid rod polymer, 1623–1631
Polyphosphazene
Excimer fluorescence
Solution, 1092–1099
Polypropylene
Chain structure
X-ray diffraction, 2253–2259
Creep
Stress, 2260–2266
Crystallization
Rheology, 476–480
Diffusion
Microscopy, 258–264
Mechanical properties
Modelling, 882–889
Polypyrrole
Conducting polymers
Colloidal dispersions, 569–574
Electrical conduction
Synthesis, 395–399
Polystyrene
Diffusion
Dynamic light scattering, 778–780
Solution properties, 1491–1499
Enthalpy

Entropy, 473–475
Glass transition temperature
Density distribution, 935–938
Light scattering
Theta temperature, 793–804
Neutron scattering
Chain folding, 195–201
Poly(methyl methacrylate)
Light scattering, 1871–1876
Polysulphone
Poly(dimethylsiloxane)
Graft copolymers, 121–125
Poly(phenyl sulphide)
Mechanical behaviour, 2307–2310
Relaxation
Bisphenol-A polymer, 1032–1037
Polythiophene
Film
Temperature effects, 220–222
Polyurethane
Polymer networks
Dielectric properties, 339–343
Structure
Orientation, 749–757
Polyurethane networks
Modelling
Elasticity, 406–413, 414–422
Polyurethanes
Graft copolymers
Synthesis, 2207–2213
Phase separation
Electron spin resonance, 308–314
Processing
Poly(butylene terephthalate)
Mechanical properties, 1239–1244
Propylene oxide
Catalyst
Polymerization, 1142–1148

Radiation effects
Crosslinking
Light scattering, 1500–1506
Intrinsic viscosity
Dipole moment, 1715–1717
Polymerization
Liquid polymers, 954–957
Radical
Copolymerization
Termination 1726–1737
Free-radical polymerization
Copolymerization, 154–159
Radical polymerization
Redox system
Methyl methacrylate, 1735–1738
Radiopacity
Polyacrylates
Glass transition temperature, 2083–2088
Raman spectroscopy
Ageing
Gels, 857–860
Polydiacetylene
Kinetics, 1116–1121
Polyethylene
High pressure, 1425–1428
Random coil conformation
Conformation
Liquid crystalline polymer, 1658–1662
Random copolymer
Electron microscopy
Liquid crystalline polymer, 1395–1400
Reaction injection moulding
Phase separation
Blends, 707–712
Reactivity ratios
Copolymerization
Acrylonitrile, 736–742
Redox system
Copolymer
Infra-red spectroscopy, 1577–1580
Methyl methacrylate
Radical polymerization, 1735–1738
Relaxation
Bisphenol-A polymer
Polysulphone, 1032–1037
N.m.r. spectroscopy
Stereoregularity, 1415–1418
Reptation
Blends
Diffusion, 2320–2328
Self-diffusion
Solution properties, 772–777
Resin
N.m.r. spectroscopy
Characterization, 1707–1710
Melamine, 130–134
Synthesis
Resists, 564–568
Resists
Graft polymer
Crosslinking, 1553–1558
Synthesis
Resin, 564–568
Rheology
Crystallization
Polypropylene, 476–480
Rigid rod polymer
Synthesis, 2152–2156
Rigid rod polymer
Conformation
Stiff chain polymer, 1637–1648
Crystal structure
Polyphenyls, 1623–1631
Rheology
Synthesis, 2152–2156
Rod-like polymer
Phase behaviour
Gelation, 1070–1084
Rubber
Branching
Polydispersity, 609–615
Crosslink density
Swelling, 1937–1945
Stress
Network, 1649–1657
Toughness
Polycarbonate, 2267–2277
Rubber elasticity
Modelling
Entanglements, 70–74
Tensile properties
Yielding, 2278–2286
Rubber vulcanizate
Swelling
N.m.r. spectroscopy, 713–720
Swelling behaviour
Tensile strain, 2361–2367

SSIMS
Polycarbonate
End groups, 1009–1017
Scaling
Block copolymers
Solvent system, 1312–1320, 2197–2200
Sedimentation behaviour
Block copolymers
Light scattering, 2118–2124
Self-diffusion
Equation of state
Temperature dependence, 2338–2345
Reptation
Solution properties, 772–777
Semicrystalline polymer
Monte-Carlo calculation
Conformation, 1750–1756
Physical ageing
Creep, 1204–1215
Separation
Permeation
Membrane, 668–672
Adsorption
Chelation, 102–105
Shear
Dynamic properties
Acoustic measurements, 877–881
Polycarbonate
Modelling, 2057–2065
Silica
Grafted polymer
Kinetics, 2377–2383
Single crystals
Polyethylene
Chain folding, 1222–1227
Small-angle X-ray scattering
Block copolymers
Viscosity, 2112–2117
Drawing
Block copolymers, 638–645
Small-angle neutron scattering
Dynamic light scattering
Polyelectrolytes, 781–792
Polyolefin blends
Thermodynamics, 2287–2293
Small-angle scattering
Crystallization
Blends, 2027–2038
Smectic polymers
Correlation function
Phase transition, 1793–1796
Solubility
Compatibility
Thermodynamics, 1745–1749
Diffusion
Polymer networks, 1288–1293
Inverse gas chromatography
Interaction parameter, 1711–1714
Miscibility
Blends, 1187–1203
Solution
Binding
Hydration, 501–505
Dynamics
Gels, 1038–1044
Excimer fluorescence
Polyphosphazene, 1092–1099
Phase behaviour
Xanthan, 824–828
Poly(styrene sulphonate)
Birefringence, 1823–1830
Structure
Block polymer, 2368–2376
Solution properties
Carboxymethylcellulose
Polyelectrolytes, 348–352
Chain flexibility
Synthesis, 924–927
Ionomers
Temperature dependence, 286–294
Light scattering
Aromatic polymer, 684–692
Polystyrene
Diffusion, 1491–1499
Self-diffusion
Reptation, 772–777
Thermodynamics
Size exclusion chromatography, 1694–1702
Viscosity
Random polymer, 805–811
Solvent effects
Crosslinking
Poly(methyl methacrylate), 679–683
Solvent system
Scaling
Block copolymers, 1312–1320, 2197–2200
Sorption
Diffusion
Elastomer, 1757–1762
Permeation, 2346–2352

Permeability
Diffusion, 673–678
Poly(ethylene terephthalate)
Characterization, 295–302
Spectroscopy
Charge-transfer complex
Electron spin resonance, 1404–1405
Film
Cyclic voltammetry, 1632–1636
Ionomers
Membrane, 387–394
Molecular dynamics
Polyisoprene, 1831–1837
Physical ageing
Epoxies, 812–817
Spherulite
Crystal growth
Poly(ethylene oxide), 845–849
Polyethylene
Crystallization, 1971–1977
Stability
Polyesters, 944–948
Stabilization
Grafting
Photoinitiation, 1772–1781
Stereoregularity
Characterization
Synthesis, 1379–1383
N.m.r. spectroscopy
Copolymer, 1216–1221
Relaxation, 1415–1418
Stress
Ageing
Epoxy network, 423–430
Creep
Polypropylene, 2260–2266
Epoxy resins
Acrylic polymer, 2066–2070
Curing, 1932–1936
Fibre
Anisotropy, 1467–1472
Polyethylene
Creep, 64–69
Rubber
Network, 1649–1657
Structural relaxation
Poly(methyl methacrylate)
Thermal history, 223–230
Structure
Charge transfer complex
Complexes, 202–207
Melting
Polyethylenes, 2077–2082
Molecular orientation
Langmuir–Blodgett films, 602–608
Orientation
Polyurethane, 749–757
Solution
Block polymer, 2368–2376
Wide-angle X-ray scattering
Epoxy network, 593–601
Styrene
Acrylonitrile
Toughness, 869–876
Dilatometry
Kinetics, 150–153
Glycidyl methacrylate
Copolymerization, 366–370
Sulphonation
Crosslinking
Polycondensation, 353–357
Support
Ziegler–Natta catalyst
Transitional metal, 949–953
Surface studies
Melting behaviour
Infra-red spectroscopy, 658–662
Molecular mobility
Copolymer, 1149–1153
Suspension
Polymerization
Particle size distribution, 1339–1342
Suspension polymerization
Separation
Poly(vinyl phenol), 165–174
Swelling
Crosslink density
Rubber, 1937–1945
High modulus
Mechanical property, 237–242
Rubber vulcanizate
N.m.r. spectroscopy, 713–720
Swelling behaviour
Elasticity
Cellulose, 1854–1858
Rubber vulcanizate
Tensile strain, 2361–2367
Synthesis
Aromatic polymer
Characterization, 2411–2419
Block copolymers
Carbon black, 106–109
Characterization, 180–190, 358–361
Phosphorylation, 362–365
Characterization
Diffusion, 2402–2410
Ionomers, 1374–1378
Networks, 556–563
Polymer-supported reactions, 1164–1169
Stereoregularity, 1379–1383
Electrical conduction
Polypyrrole, 395–399
Free-radical polymerization
Phenacetin, 160–164
Functional group
Polymerization, 371–378
Graft copolymers
Polyurethanes, 2207–2213
Resin
Resists, 564–568
Rigid rod polymer
Rheology, 2152–2156
Solution properties
Chain flexibility, 924–927
Thermodynamics
Copolymers, 2214–2219
Viscometric behaviour
Terpolymers, 1100–1107
Initiation
Characterization, 967–970

Temperature dependence
Diffusion
Gels, 2333–2337
Dynamics
Heat capacity, 1254–1259
Elastic modulus
Polyoxymethylene, 1909–1918
Equation of state
Conductivity, 1919–1924
Self-diffusion, 2338–2345
Ionomers
Solution properties, 286–294
Physical ageing
Polycarbonate, 1904–1908
Polycarbonate
Annealing, 248–252
Temperature effects
Liquid crystals
N.m.r. spectroscopy, 721–727
Phase behaviour
Heats of dilution, 1507–1513
Polythiophene
Film, 220–222
Tensile properties
Polyethylene
Young's modulus, 231–236
Yielding
Rubber elasticity, 2278–2286
Tensile strain
Swelling behaviour
Rubber vulcanizate, 2361–2367
Termination
Copolymerization
Radical, 1726–1737
Free-radical polymerization
Kinetics, 1720–1725
Terpolymers
Synthesis
Viscometric behaviour, 1100–1107
Thermal behaviour
Copolymerization
Glass transition, 961–966
Thermal diffusivity
Poly(ethylene terephthalate)
Crystallization, 1925–1931
Thermal history
Structural relaxation
Poly(methyl methacrylate), 223–230
Thermal properties
Blends
Phase behaviour, 2299–2306
Thermodynamics
Blends
Miscibility, 1277–1282
Calorimetry
Conformation, 834–839
Compatibility
Solubility, 1745–1749
Crystallization
Polyethylene, 1859–1865
Equation of state
Blends, 448–452
Polyolefin blends
Small-angle neutron scattering, 2287–2293
Solution properties
Size exclusion chromatography, 1694–1702
Synthesis
Copolymers, 2214–2219
Thermotropic polyesters
Fibre
Liquid crystals, 8–14
Orientation
Molecular weight, 1894–1898
Viscometry
Anisotropy, 651–657
Theta temperature
Monte-Carlo simulation
Chain structure, 506–512
Polystyrene
Light scattering, 793–804
Toughness
Blends
Craze, 1232–1238
Polycarbonate
Rubber, 2267–2277
Styrene
Acrylonitrile, 869–876
Transition phenomena
Dielectric relaxation
Copolymers, 1888–1893
Transition temperatures
Deformation
Copolyesters, 1228–1231
Transitional metal
Ziegler–Natta catalyst
Support, 949–953

Ultrasonics
Mechanical behaviour
High pressure, 440–447

Vibrational spectroscopy
Heat capacity
Nylon, 1260–1268
Poly(ethylene oxide)
Morphology, 1411–1414

Poly(propylene oxide)
Conducting polymer, 2245–2252
Polyoxymethylene diacetate
Chain conformation, 1406–1410
Vinyl monomers
Initiation
Photolysis, 1986–1990
Vinylidene cyanide
Nuclear magnetic resonance
Microstructure, 1581–1588
Viscometric behaviour
Synthesis
Terpolymers, 1100–1107
Viscometry
Binary mixtures
Light scattering, 1871–1876
Thermotropic polyesters
Anisotropy, 651–657
Viscosity
Block copolymers
Small-angle X-ray scattering, 2112–2117
Free volume theory
Concentration dependence, 1486–1490
Hydrophobic
Micelle, 2353–2360
Solution properties
Random polymer, 805–811

Water
Hydrogel
Poly(ethylene oxide), 909–916
Phase transition
D.s.c., 693–698
Water accumulation
Nylon salt
Polyamidation, 496–500
Wide-angle X-ray scattering
Epoxy network
Structure, 593–601
Phase transition
Melting, 481–485

X-ray diffraction
Aromatic polymer
Nematic structure, 1991–1998
Conformation
Infra-red spectroscopy, 344–347
Crystal structure
Complexes, 2238–2244
Crystallinity
Semicrystalline polymers, 996–1002
Elastomer
Electron diffraction, 1003–1008
Oligomer
Crystal structure, 1603–1610
Poly(vinyl chloride)
Crystallinity, 1615–1622
Polypropylene
Chain structure, 2253–2259
Xanthan
Phase behaviour
Solution, 824–828

Yielding
Tensile properties
Rubber elasticity, 2278–2286
Young's modulus
Hydrogel
Crosslink density, 513–519
Tensile properties
Polyethylene, 231–236

Ziegler–Natta catalyst
Polymerization
Conformational analysis, 530–537
Transitional metal
Support, 949–953